

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference F6P1-0185	FOR FURTHER ACTION	See item 4 below
International application No. PCT/JP2004/007616	International filing date (<i>day/month/year</i>) 02 June 2004 (02.06.2004)	Priority date (<i>day/month/year</i>) 29 July 2003 (29.07.2003)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant ORGANO CORPORATION		

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

<input checked="" type="checkbox"/>	Box No. I Basis of the report
<input type="checkbox"/>	Box No. II Priority
<input type="checkbox"/>	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI Certain documents cited
<input type="checkbox"/>	Box No. VII Certain defects in the international application
<input type="checkbox"/>	Box No. VIII Certain observations on the international application

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Date of issuance of this report 22 May 2006 (22.05.2006)
Facsimile No. +41 22 740 14 35	Authorized officer Yoshiko Kuwahara Telephone No. +41 22 338 90 90

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

PCT

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Applicant's or agent's file reference F6P1-0185		Date of mailing (day/month/year)	
International application No. PCT/JP2004/007616	International filing date (day/month/year) 02.06.2004	Priority date (day/month/year) 29.07.2003	
International Patent Classification (IPC) or both national classification and IPC			
Applicant ORGANO CORPORATION			

1. This opinion contains indications relating to the following items:

<input checked="" type="checkbox"/>	Box No. I	Basis of the opinion
<input type="checkbox"/>	Box No. II	Priority
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI	Certain documents cited
<input type="checkbox"/>	Box No. VII	Certain defects in the international application
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/007616

Box No. I	Basis of this opinion
	<p>1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p><input type="checkbox"/> This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).</p> <p>2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:</p> <ol style="list-style-type: none">a. type of material<p><input type="checkbox"/> a sequence listing <input type="checkbox"/> table(s) related to the sequence listing</p>b. format of material<p><input type="checkbox"/> in written format <input type="checkbox"/> in computer readable form</p>c. time of filing/furnishing<p><input type="checkbox"/> contained in the international application as filed. <input type="checkbox"/> filed together with the international application in computer readable form. <input type="checkbox"/> furnished subsequently to this Authority for the purposes of search.</p> <p>3. <input type="checkbox"/> In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.</p> <p>4. Additional comments:</p>

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/007616

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																									
<p>1. Statement</p> <table> <tr> <td>Novelty (N)</td> <td>Claims</td> <td>1-5</td> <td>YES</td> </tr> <tr> <td></td> <td>Claims</td> <td></td> <td>NO</td> </tr> <tr> <td>Inventive step (IS)</td> <td>Claims</td> <td>4, 5</td> <td>YES</td> </tr> <tr> <td></td> <td>Claims</td> <td>1-3</td> <td>NO</td> </tr> <tr> <td>Industrial applicability (IA)</td> <td>Claims</td> <td>1-5</td> <td>YES</td> </tr> <tr> <td></td> <td>Claims</td> <td></td> <td>NO</td> </tr> </table>			Novelty (N)	Claims	1-5	YES		Claims		NO	Inventive step (IS)	Claims	4, 5	YES		Claims	1-3	NO	Industrial applicability (IA)	Claims	1-5	YES		Claims		NO
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	Claims	1-3	NO																							
Industrial applicability (IA)	Claims	1-5	YES																							
	Claims		NO																							
<p>2. Citations and explanations:</p> <p>Document 1: JP 2002-35527 A (Japan Atomic Energy Research Institute), 05 February 2002 Document 2: JP 47-48107 B1 (Esson Research and Engineering Co.), 04 December 1972</p> <p>The inventions of claims 1-3 do not appear to involve an inventive step based on documents 1 and 2 cited in the ISR.</p> <p>Document 1 describes a gas separation unit for separating each specific gas from a gas to be treated containing a plurality of specific gases, wherein a gas to be treated is caused to pass through a filler in a column to separate each specific gas chromatographically from the gas to be treated.</p> <p>A gas separation unit for separating each specific gas from a gas to be treated containing a plurality of specific gases, wherein a plurality of columns having filled therein different absorbents from one another are series connected, or different absorbents are filled in one column, to cause the gas to be treated sequentially pass through the plurality of absorbents is a constitution commonly known to a party skilled in the art as also described in document 2; therefore, for the gas separation unit described in document 1, adopting the constitution described in document 2 to configure the invention so as to cause a gas to be treated to sequentially pass through a plurality of absorbents would be easy for a party skilled in the art.</p> <p>Also, the gas separation unit described in document 1 is such that a PFC gas discharged in a semiconductor manufacturing step is made to serve as a specific gas, and the gas to be treated contains a nitrogen gas as other gas.</p> <p>To the inventions relating to claims 4 and 5, the point of using zeolite and activated carbon as a filler for separating a specific gas containing NF₃, CF₄, and C₂F₆ is neither described nor suggested in any of the documents cited in the ISR; nor would they be obvious to a party skilled in the art.</p>																										